

SIMPLE TOUCH CONTROLLER
INSTALLATION MANUAL

2P750759-1B

The two-dimensional bar code
is a manufacturing code.

SAFETY PRECAUTIONS

Be sure to also refer to the installation and operation manuals attached to the indoor unit and outdoor unit. Please read these "SAFETY PRECAUTIONS" carefully before installing and using the simple touch controller. • This product is not intended for use by children or infirm persons without supervision. Children should be supervised to ensure that they do not play with the product. • This manual classifies the precautions into **WARNINGS** and **CAUTIONS**. Be sure to follow all the precautions below: They are all important for ensuring safety.



Failure to observe these instructions properly may result in serious personal injury or loss of life.



Failure to observe these instructions properly may result in personal injury or equipment damage.

- After completing installation, conduct a test operation to check for faults and, with the aid of the operation manual, explain to the customer how to operate and how to clean the simple touch controller. Ask the customer to store the installation manual along with the operation manual for future reference.

WARNING

- Ask your local dealer or qualified personnel to carry out installation work. Do not attempt to install the simple touch controller yourself. Improper installation may result in electric shock or a fire.
- Consult your local dealer regarding relocation and reinstallation of the simple touch controller. Improper installation may result in electric shock or a fire.
- Install the simple touch controller in accordance with the instructions in this installation manual. Improper installation may result in electric shock or a fire.
- Be sure to use only the specified accessories and parts for installation work. Failure to use the specified parts may result in the simple touch controller falling, electric shock or a fire.
- Install the simple touch controller on a foundation that can withstand its weight. Insufficient load capacity may result in the simple touch controller falling and causing injury.
- Make certain that all electrical work is carried out by qualified personnel according to applicable legislation (Note 1) and this installation manual, using a separate circuit. In addition, even if the wiring is short, be sure to use wiring that has sufficient length and never connect additional wiring to make up for insufficient length. Insufficient capacity of the power supply circuit or improper electrical construction may lead to electric shock or a fire. (Note 1) Applicable legislation means "All international, national and local directives, laws, regulations and/or codes which are relevant and applicable for a certain product or domain".
- Turn off the power before performing installation work. Contact with live parts may cause electric shock.
- Do not disassemble, reconstruct or repair. This may result in electric shock or a fire.
- Make sure that all wiring is secured, specified wiring is used, and ensure that external forces do not act on the terminal connections or wiring. Improper or insecure connections may result in overheating or a fire.
- Be sure to use a dedicated power supply for the simple touch controller. Using any other power supply may result in heat generation, fire, or product failure.
- Choice of materials and installations must comply with applicable national and international standards.

CAUTION

- To avoid electric shock due to the ingestion of water or insects, fill wiring through-hole(s) with putty.
- Do not operate with wet hands, to avoid electric shock.
- Do not operate with the simple touch controller lid left open. If water gets under the panel, it may result in equipment failure or electric shock.
- Do not wash the simple touch controller with water. Doing so may result in electric shock or a fire.
- Ensure that the simple touch controller is not exposed to direct sunlight. This will cause discoloration of the LCD display and result in a loss in readability.
- Install the air conditioner, power supply wiring, simple touch controller wiring and transmission wiring at least 1 m away from televisions and radios to prevent image interference or noise. (Depending on the radio waves, a distance of 1 m may not be sufficient to eliminate noise.)
- Do not install the simple touch controller in the following locations:
 1. Where there is oil mist, oil spray or vapour, for example, a kitchen. Plastic parts may deteriorate and fall off.
 2. Where corrosive gas, such as sulfurous acid gas, is produced. Corroding copper pipes or soldered parts may result in refrigerant leakage.
 3. Where there is machinery that emits electromagnetic waves. Electromagnetic waves may disturb the control system, and cause malfunctioning of the product.
 4. Where flammable gases may leak, there are carbon fibre or ignitable dust suspensions in the air, or where volatile flammables such as thinner or gasoline are handled. Operating the unit in such conditions may result in a fire.
 5. Areas with high temperatures or where there are open flames. This may result in overheating or a fire.
 6. Moist areas, or where the product may be exposed to water. Water ingress into the simple touch controller may cause electrical components to fail. This may result in electric shock or a fire.

1 ACCESSORIES

Check if the following accessories are included with the product.

Simple touch controller	Wood screw	Small screw	Installation manual (front) and Simple manual (back)
(1 pc.)	M3.5x16 (4 pcs.)	M4x16 (4 pcs.)	(1 pc.)

Be sure to read this installation manual before conducting the installation of the product, and conduct installation according to this manual.

2 OPTION

A separately sold adaptor is required for installation. Please purchase the appropriate adaptor for your country. For details, please contact your local dealer.



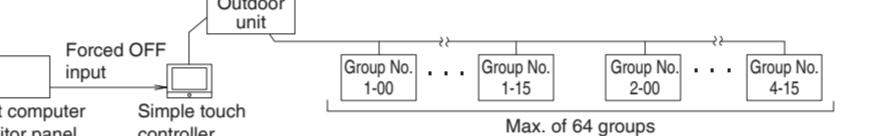
*1 The following adaptor types are available.

Model name	Illustration
DTP401A62	
DTP401A63	
DTP401A64	
DTP401A65	
DTP401A66	
DTP401A67	
DTP401A68	
DTP401A69	

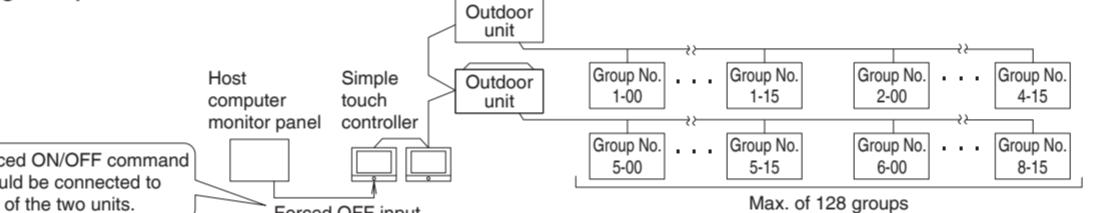
3 SYSTEM CONFIGURATION

With the simple touch controller, unified operation/stop is possible for up to a maximum of 64 groups of indoor units. When using 2 simple touch controllers, unified operation is possible for up to a maximum of 128 groups. With this optional controller, control mode settings such as operation, stop, operation by timer, and ON/OFF control possible/impossible by remote controller, can be set per zone, while enabling the control and display of operation states such as set temperature. The simple touch controller can be connected with an external key system, host computer monitor panel, etc., through forced OFF input (non-voltage normally open contactor). A zone is one or more groups together. In general, the same settings are used throughout a zone.

When using 1 simple touch controller



When using 2 simple touch controllers

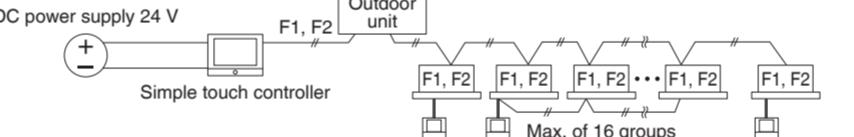


NOTE

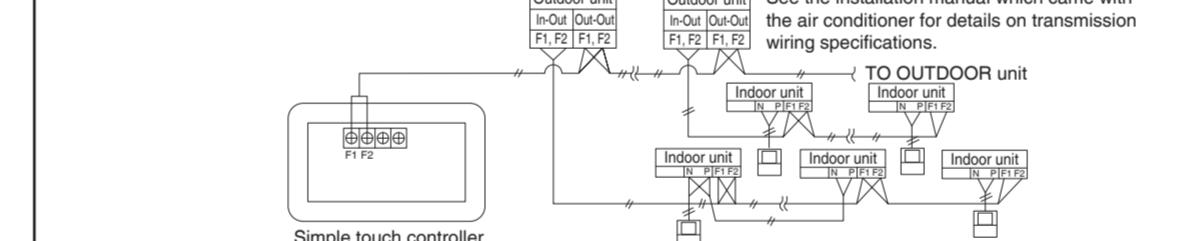
Group address must be set to control indoor units from "Group No." 01-00 to 04-15 or 05-00 to 08-15. For details, refer to "Group Address" in the operation manual.

4 ELECTRIC WIRING

Wiring outline



Wiring to the indoor unit and outdoor unit



Wiring specifications

Power supply	DC power supply 24 V
Transmission wiring for control	0.75 - 1.25 mm ² sheathed vinyl cord or cable (balanced type) - maximum length 1000 m (total overall wiring length 2000 m) For connecting the unit with simple touch controller, please consider on site and select the appropriate size of cable to be used.

Prepare the wiring for connection to the simple touch controller by stripping the sheath about 170 mm.



Connect the wiring between indoor units, outdoor units, and remote controllers. See the installation manuals included with the indoor and outdoor units for details.

Control terminal strip

*1 For connecting indoor unit (F1, F2)
*2 Forced OFF input (T1, T2)
None of the indoor units connected to the forced OFF input contact (non-voltage contact with minimal current) will operate when it is energized.
Use only contactors which guarantee the minimum applicable load DC 16 V, 10 mA.
T1 → DC 16 V T2 →

NOTE

• Use instantaneous contactor of over 200 m sec. energizing time, when necessary.

• Wire "2" only when necessary.

5 INSTALLATION

1. Before installation, remove the M3 screws securing the front and back cases of the simple touch controller (2 locations). (The removed M3 screws will be used later. Please do not lose them.)

2. Remove the back case from the front case by sliding it down.

CAUTION

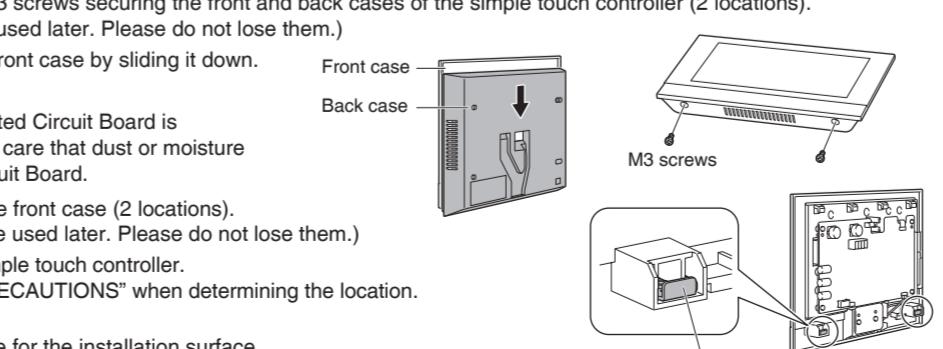
- The simple touch controller Printed Circuit Board is attached to the front case. Take care that dust or moisture does not get on the Printed Circuit Board.

3. Remove the screw plates from the front case (2 locations). (The removed screw plates will be used later. Please do not lose them.)

4. Determine where to install the simple touch controller. Make sure to follow "SAFETY PRECAUTIONS" when determining the location.

NOTE

- Select as flat a place as possible for the installation surface.
- Select an installation location at user eye level, to ensure ease of use.



5. Pull out the F1/F2 wiring from the wall. (If there is T1/T2 wiring, pull it out also.)

6. Install the adaptor.

(A) If the adaptor is to be installed inside the wall:

1. Place the adaptor inside the wall.

2. Pull out the DC jack of the adaptor from the wall through the right hole of the back case.

(B) If the adaptor is to be installed on the wall or in the room:

1. Place the adaptor on the wall or in the room.

2. Cut away the thin area (hatched area) on the bottom of the back case with nippers or similar.

3. Remove burrs with a file or similar.

4. Route the DC jack of the adaptor through the groove in the back case to the right hole of the back case.

7. Route the F1/F2 wiring through the left hole of the back case. (If there is T1/T2 wiring, route it through the left hole of the back case also.)

8. Secure the back case to the wall with the 4 screws (accessories). (Choose an appropriate screw type (wood or small) depending on the wall material.)

9. Connect the F1/F2 wiring to the F1/F2 terminals on the X1M terminal block of the Printed Circuit Board, and then tighten the terminal screws (M2 screws) using an appropriate screwdriver. (Tightening torque should not exceed 0.3 N·m (3 kgf·cm). F1 and F2 have no polarities.)

10. Connect the T1/T2 wiring to the T1/T2 terminals on the X1M terminal block. (T1 and T2 have no polarities.)

CAUTION

To prevent water ingress and the entry of small animals, insects, etc., make sure to seal any gaps in the wiring holes with putty (locally sourced).

11. Connect the DC jack to the X4M terminal.

12. Conduct settings on the Printed Circuit Board.

- Master controller switch (X1A) setting (Factory setting: MASTER side)

- When using only 1 simple touch controller, do not change the position of the switch. (Leave the switch in the position it was at the time of delivery.)

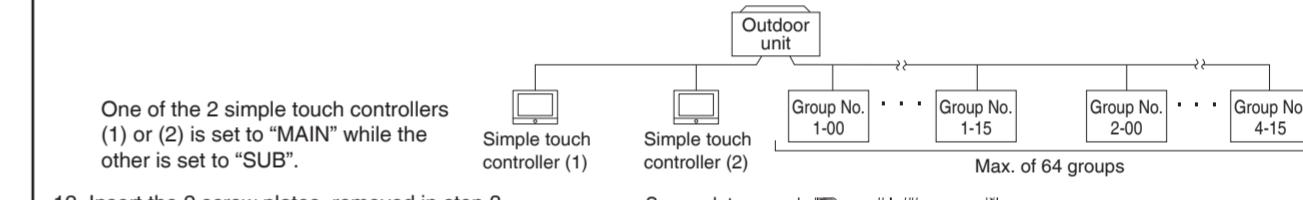
- When using multiple simple touch controllers, or using the simple touch controller in conjunction with the optional controllers for centralized control, make setting changes as indicated in the below table.

Pattern of connection of optional controllers for centralized control	Master controller setting method
Simple touch controller Unified ON/OFF controller	Simple touch controller Unified ON/OFF controller
1 to 4	Set one of the X1A switches to the MASTER side and all the rest to the other side.

(Move the X1A switch of all simple touch controllers from the MASTER side to the opposite side, and remove all connectors for the ON/OFF controller when using the unit together with the intelligent Touch Controller, BACnet Gateway, the DMS interface, or the parallel interface station.)

- MAIN/SUB changeover switch (SS2) setting

With 2 simple touch controllers, centralized control (indoor units) is possible from different locations. In this kind of set-up, it is necessary to make setting changes to the MAIN/SUB changeover switch.



12. Insert the 2 screw plates, removed in step 3, into the insertion openings of the front case (2 locations).

13. Insert the 4 tabs at the top of the front case into the openings in the back case (4 locations).

14. Push and slide down the front case to attach it to the back case.

15. Secure the front and back cases with the M3 screws that were removed in step 3 (2 locations).

16. Insert the AC plug into a power supply. (100-240 VAC, 50-60 Hz)

17. After power is supplied, the DAIKIN EYE button will light blue, and the screen will display the initial page. If the simple touch controller is not responsive and the Error code is displayed, check the following:

- Check the Error code and fix the source of the malfunction. (For details on error codes, please refer to the operation manual at <https://www.daikinthai.com/product/simpletouch/manual>.)

6 TEST OPERATION

(For more details about test operation, refer to the operation manual at <https://www.daikinthai.com/product/simpletouch/manual>)

